

## Product datasheet for **RG202326**

### **DIMT1L (DIMT1) (NM\_014473) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DIMT1L (DIMT1) (NM_014473) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DIMT1L
Synonyms:	DIM1; DIMT1L; HSA9761; HUSSY5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202326 representing NM_014473 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAAGGTCAAGTCGGGGGCCATCGGCCGCCCGCGGGCGGCAGGAGCAGCGCCGGGAGCTGAAGA  
GCGCTGGAGGACTCATGTTCAACACGGGGATTGGGCAGCACATTTTGAAAAATCCTCTCATTATTAACAG  
CATTATCGATAAGGCTGCCTTAAGACCACTGATGTAGTGTGGAAGTTGGACCTGGAACGGCAACATG  
ACTGTAAGTTGTTAGAAAAGGCAAAAAGTTGTTGCTTGTGAACCTTGACCCAAGGCTAGTAGCTGAAC  
TTCACAAAAGAGTTCAGGGCAGCCTGTGGCCAGCAAACCTCAAGTACTGGTGGGTGATGTGCTGAAAAC  
AGATTTGCCATTCCTTTGATACTTGTGTGGCAAATTTGCCTTATCAGATCTCTTCGCTTTTGTCTCAAG  
CTGTTGCTACATCGACCTTTTTTCAGGTGTGCTATACTTATGTTTCAAAGAGAATTTGCCCTCCGACTGG  
TTGCAAAACCTGGAGATAAGTTATACTGCAGACTCTCAATTAATACACAGCTGTTGGCACGTGTGGACCA  
TCTAATGAAAGTGGGAAAGAATAACTTCAGACCACCGCCAAGGTGGAATCCAGTGTGTAAGGATAGAA  
CCTAAGAATCCACCACCCATCAATTTTCAGGAATGGGATGGTCTAGTAAGGATAACCTTTGTTAGGA  
AAAACAAGACTCTCTGCTGCATTTAAATCAAGTGCAGTGCACAACCTTTGGAAAAAACTACAGAAT  
TCACTGTTCAAGTCCATAATATTATAATACCAGAAGATTTTCAGCATAGCAGATAAAAATACAGCAAATCCTA  
ACCAGCACAGGTTTTAGTGACAAAACGGGCCGTTCCATGGACATAGATGACTTCATCAGATTGCTACATG  
GATTCACGCAGAAGGTATTCATTTTTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG202326 representing NM\_014473  
 Red=Cloning site Green=Tags(s)

MPKVKSGAIGRRRGRQEQRRELKSAGGLMFNTGIGQHILKNPLIINSIIDKAALRPTDVLVLEVPGTGM  
 TVKLLKAKKVVACELDPRLVAELHKRVQGTPVASKLQVLVGDVLKTDLPFFDTCVANLPYQISSPFVFK  
 LLLHRPFFRCAILMFQREFALRLVAKPGDKLYCRLSINTQLLARVDHLMKVGKNNFRPPPKVESSVRIE  
 PKNPPPPINFQEWDLVRITFVRKNKTL SAAFKSSAVQQLLEKNYRIHCSVHNIIIPEDFSIADKIQQIL  
 TSTGFSDKRARSMDIDDFIRLLHGFNAEGIHFS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_014473

**ORF Size:** 939 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_014473.1](#)

**RefSeq Size:** 1557 bp

**RefSeq ORF:** 942 bp

**Locus ID:** 27292

**UniProt ID:** [Q9UNQ2](#)

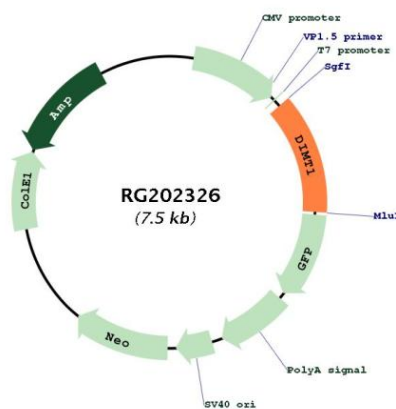
**Cytogenetics:** 5q12.1

**Domains:** rADc

**Protein Families:** Druggable Genome

**Gene Summary:** The protein encoded by this gene is a methyltransferase that is responsible for dimethylation of adjacent adenosines near the 18S rRNA decoding site. The encoded protein is essential for ribosome biogenesis, although its catalytic activity is not involved in the process. The yeast ortholog of this protein functions in the cytoplasm while this protein functions in the nucleus. [provided by RefSeq, Jan 2017]

### Product images:



Circular map for RG202326